

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	283	hamakawa-yoshihiro.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:15
L2	19	1 and magnetoresistance	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:21
L3	22	1 and magneto-resistance	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:20
L4	2303	HAMAKAWA-YOSHIHIRO.in. or KOBAYASHI-TOSHIO.in. or KOYAMA-NAOKI.in. or KITADA-MASAHIRO.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:20
L5	12733	(magneto-resistance) or (magnetoresistance)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:21
L6	207	4 and 5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:21
L7	18	6 and (reproducing near head)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:23
L8	205	((non-magnetic) or (non near magnetic)) with (thermal near conductivity)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:59
L9	24	((non-magnetic) or (non near magnetic)) near (thermal near conductivity)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:57
L10	1	(US-20030048578-\$).did.	US-PGPUB	OR	ON	2007/04/04 13:32
L11	0	10 and shiled	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:32
L12	1	10 and shield	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:34
L13	12	9 and shield	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:37
L14	0	9 and (shield near ferromagentic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:37
L15	0	9 and (shield near ferromagnetic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:37

## EAST Search History

L16	1	9 and (shield near magnetic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:38
L17	5	9 and (shield with magnetic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:38
L18	236	shield with ((non-magnetic) or (non near magnetic)) with substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:59
L19	1	8 and 18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:59
L20	0	shield near ((non-magnetic) or (non near magnetic)) near substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 13:59
L21	145	shield near ((non-magnetic) or (non near magnetic))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:05
L22	0	8 and 21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:04
L23	317	shield near ferromagnetic	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:05
L24	1	21 and 23	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:05
L25	1847	shield with ((non-magnetic) or (non near magnetic))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:13
L26	13	8 and 25	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:05
L27	578	shield with between with ((non-magnetic) or (non near magnetic))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:14
L28	203	(shield or (ferromagnetic near material)) with form\$3 with between with ((non-magnetic) or (non near magnetic))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:19
L29	4	(shield or (ferromagnetic near material)) with form\$3 with between with (((non-magnetic) or (non near magnetic)) near substrate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:15
L30	7156	(shield or (ferromagnetic near material)) with form\$3 with substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:18

## EAST Search History

L31	83	(shield or (ferromagnetic near material)) near form\$3 near substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:19
L32	1847	(shield or (ferromagnetic near material)) with ((non-magnetic) or (non near magnetic))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:22
L33	3	31 and 32	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:19
L34	562	(shield or (ferromagnetic near material)) with (((non-magnetic) or (non near magnetic)) adj material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:26
L35	29	(shield or (ferromagnetic near material)) near (((non-magnetic) or (non near magnetic)) adj material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:23
L36	1338	(((non-magnetic) or (non near magnetic)) adj material) with (substrate or wafer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:27
L37	57	34 and 36	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/04 14:27